

AMENDMENTS TO THE CLAIMS

List of Claims:

1. (Currently amended) A method for the directed, transgenic expression of nucleic acid sequences in carbohydrate-storing sink tissues of plants, which comprises the following steps:
 - I. introducing, into plant cells, a transgenic expression cassette, where the transgenic expression cassette comprises at least the following elements:
 - a) at least one promoter sequence of the gene encoding the *Vicia faba* plastidic 1,4- α -D-glucan:phosphate α -D-glucosyltransferase, and
 - b) at least one further nucleic acid sequence, and
 - c) ~~if appropriate, further genetic control elements,~~wherein ~~the~~ at least one ~~of said~~ promoter sequence[[s]] and ~~the~~ at least one further nucleic acid sequence are functionally linked ~~with one another together,~~ and the further nucleic acid sequence is heterologous ~~with regard~~ in relation to the promoter sequence, and
 - II. ~~selection of~~ selecting transgenic cells which comprise said expression cassette stably integrated into the genome, and
 - III. ~~regeneration of~~ regenerating intact plants from said transgenic cells, wherein ~~the~~ at least one of the further nucleic acid sequence is expressed in carbohydrate-storing sink tissue, but essentially not in source tissues.
2. (Currently amended) The method according to claim 1, wherein the promoter sequence of the gene encoding the *Vicia faba* plastidic 1,4- α -D-glucan:phosphate α -D-glucosyltransferase is ~~described by a sequence~~ selected from the group of sequences consisting of:
 - i) the promoter sequence of SEQ ID NO: 1, and

- ii) a promoter sequence having at least 40% homology to SEQ ID NO: 1 which directs expression of a nucleic acid sequence in carbohydrate-storing sink tissues of plants, and
 - ii) ~~iii) a promoter sequence having functionally equivalent promoter sequences which have at least 40% homology with the sequence of SEQ ID NO: 1 over a sequence segment of at least 100 base pairs of SEQ ID NO: 1, wherein the promoter directs expression of a nucleic acid sequence in carbohydrate-storing sink tissues of plants and which have essentially the same promoter activity as the promoter sequence of SEQ ID NO: 1, and~~
 - iii) ~~functionally equivalent fragments of the promoter sequence of i) or ii) with a length of at least 100 base pairs and essentially the same promoter activity the promoter sequence of SEQ ID NO: 1.~~
3. (Currently amended) An isolated nucleic acid sequence comprising:
- i) the promoter sequence of the gene of the *Vicia faba* plastidic 1,4- α -D-glucan:phosphate α -D-glucosyltransferase of SEQ ID NO: 1, or
 - ii) a promoter sequence having at least 40% homology to SEQ ID NO: 1 which directs expression of a nucleic acid sequence in carbohydrate-storing sink tissues of plants, or
 - ii) ~~a promoter sequence having functionally equivalent promoter sequences which have at least 40% homology with the sequence of SEQ ID NO: 1 over a sequence segment of at least 100 base pairs and which have essentially the same promoter activity as the promoter sequence of SEQ ID NO: 1, wherein the promoter directs expression of a nucleic acid sequence in carbohydrate-storing sink tissues of plants or~~
 - iii) ~~functionally equivalent fragments of the promoter sequence of i) or ii) with a length of at least 100 base pairs and essentially the same promoter activity the promoter sequence of SEQ ID NO: 1.~~

4. (Currently amended) The isolated nucleic acid sequence according to claim 3, further comprising a nucleotide sequence encoding a transit peptide located in 3' orientation to the promoter sequence, in 3' orientation to the promoter of the Vicia faba plastidic 1,4- α -D-glucan:phosphate α -D-glucosyltransferase of SEQ ID NO: 1 or to a functional equivalent thereof or a functionally equivalent fragment of the aforementioned, a sequence encoding a transit peptide.

5. (Currently amended) The isolated nucleic acid sequence according to claim 4, wherein the nucleotide sequence encoding a transit peptide is described by a the sequence of SEQ ID NO: 8.

6. (Currently amended) The isolated nucleic acid sequence according to claim 3, ~~described by wherein~~ the nucleic acid sequence is the sequence of SEQ ID NO: 2 or 3.

7. (Currently amended) A transgenic expression cassette for the expression of a nucleic acid[[s]] comprising:

- a) at least one promoter sequence of the gene encoding the Vicia faba plastidic 1,4- α -D-glucan:phosphate α -D-glucosyltransferase, and
- b) at least one further nucleic acid sequence, and
- ~~—— c) ——~~ if appropriate, further genetic control elements,

wherein the at least one promoter sequence and the at least one further nucleic acid sequence are functionally linked ~~with one another together,~~ and the further nucleic acid sequence is heterologous ~~with regard~~ in relation to the promoter sequence.

8. (Currently amended) The transgenic expression cassette according to claim 7, wherein the promoter sequence of the gene encoding the Vicia faba plastidic 1,4- α -D-glucan:phosphate α -D-glucosyltransferase is ~~described by a sequence~~ selected from the group of sequences consisting of:

- i) the promoter sequence of SEQ ID NO: 1, and

- ii) a promoter sequence having at least 40% homology to SEQ ID NO: 1 which directs expression of a nucleic acid sequence in carbohydrate-storing sink tissues of plants, and
- ii) ~~iii)~~ a promoter sequence having functionally equivalent promoter sequences which have at least 40% homology with the sequence of SEQ ID NO: 1 over a sequence segment of at least 100 base pairs and which have essentially the same promoter activity as the promoter sequence of SEQ ID NO: 1, wherein the promoter directs expression of a nucleic acid sequence in carbohydrate-storing sink tissues of plants and
- ~~iii)~~ functionally equivalent fragments of the promoter sequence of i) or ii) with a length of at least 100 base pairs and essentially the same promoter activity the promoter sequence of SEQ ID NO: 1.

9. (Currently amended) The transgenic expression cassette according to claim 8, where the ~~functional equivalent is described by a~~ the promoter sequence is the sequence of SEQ ID NO: 2 or 3.

10. (Currently amended) The transgenic expression cassette according to claim 7, where the at least one further nucleic acid sequence ~~to be expressed transgenically makes possible~~

- a) ~~the expression of~~ encodes a protein encoded by said nucleic acid sequence, or
- b) ~~the expression of~~ transcribes a sense RNA, antisense RNA or double-stranded RNA ~~encoded by said nucleic acid sequence.~~

11. (Currently amended) A transgenic expression vector comprising ~~[[a]]~~ the nucleic acid sequence according to claim 3.

12. (Currently amended) A transgenic organism transformed with ~~[[a]]~~ the transgenic expression cassette according to claim 7.

13. (Original) The transgenic organism according to claim 12, selected from the group consisting of bacteria, yeasts, fungi, nonhuman animal organisms and plant organisms.

14. (Previously presented) The transgenic organism according to claim 12, selected from the group consisting of tomato, potato, aubergine, soybean, alfalfa, pea, field bean, fodder beet, sugar beet and peanut.
15. (Currently amended) A cell culture, part, organ, tissue or transgenic propagation material derived from [[a]] the transgenic organism according to claim 12.
16. (Previously presented) A method for the transgenic expression of nucleic acids comprising growing or culturing the transgenic organism according to claim 12 or cell cultures, parts, organs, tissues or transgenic propagation material derived therefrom.
17. (Canceled)
18. (Currently amended) A method for the production of foodstuffs, feedstuffs, seed, pharmaceuticals or fine chemicals, in which [[a]] the transgenic organism~~[[s]]~~ according to claim 12 is cultured and the desired foodstuff, feedstuff, seed, pharmaceutical or fine chemical is produced and/or isolated using said organism.
19. (New) The method of claim 1, wherein the transgenic expression cassette further comprises one or more genetic control elements.
20. (New) The transgenic expression cassette of claim 7, wherein the expression cassette further comprises one or more genetic control elements.